

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/589,045
Source: FWP
Date Processed by STIC: 8/22/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/22/2006

PATENT APPLICATION: US/10/589,045

TIME: 14:44:00

Input Set : F:\seq list.txt

Output Set: N:\CRF4\08222006\J589045.raw

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5 <110> APPLICANT: Cyclacel Ltd
9 <120> TITLE OF INVENTION: Polypeptides
13 <130> FILE REFERENCE: P016330WO IJF
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/589,045
C--> 17 <141> CURRENT FILING DATE: 2006-08-10
17 <150> PRIOR APPLICATION NUMBER: GB0402904.7
19 <151> PRIOR FILING DATE: 2004-02-10
23 <160> NUMBER OF SEQ ID NOS: 4
27 <170> SOFTWARE: PatentIn version 3.0
31 <210> SEQ ID NO: 1
33 <211> LENGTH: 1059
35 <212> TYPE: DNA
37 <213> ORGANISM: Artificial
41 <220> FEATURE:
43 <223> OTHER INFORMATION: expression construct
45 <400> SEQUENCE: 1
46 ccagttcctt caaagcagtc agcaaggtgg caagttgcaa aagagcttta tcaaactgaa      60
48 agtaattatg ttaatatatt ggcaacaatt attcagttat ttcaagtacc attggaagag      120
50 gaaggacaac gtggtggacc tatccttgca ccagaggaga ttaagactat ttttggtagc      180
52 atcccagata tctttgatgt acacactaag ataaaggatg atcttgaaga ctttatagtt      240
54 aattgggatg agagcaaaag cattggtgac atttttctga aatattcaaa agatttggtgta      300
56 aaaacctacc ctccctttgt aaacttcttt gaaatgagca aggaaacaat tattaatgt      360
58 gaaaaacaga aaccaagatt tcatgctttt ctcaagataa accaagcaaa accagaatgt      420
60 ggacggcaga gccttggtga acttcttata cgaccagtac agaggttacc cagtgttgca      480
62 ttacttttaa atgatcttaa gaagcatata gctgatgaaa atccagacaa aagcacttta      540
64 gaaaaagcta ttggatcact gaaggaagta atgacgcata ttaatgagga taagagaaaa      600
66 acagaagctc aaaagcaaat ttttgatggt gtttatgaag tagatggatg cccagctaata      660
68 cttttatctt ctcaccgaag cttagtagag cggggtgaaa caatttctct aggtgagcac      720
70 ccctgtgaca gaggagaaca agtaactctc ttcctcttca atgattgcct agagatagca      780
72 agaaaacggc acaagggttat tggcactttt aggagtcctc atggccaaac ccgaccccca      840
74 gcttctctta agcatattca cctaattgct ctttctcaga ttaagaagggt attggacata      900
76 agagagacag aagattgccg taatgctttt gccttgcttg tgaggccacc aacagagcag      960
78 gcaaatgtgc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta      1020
80 aagatgctgt gtcgacatgt agctaacacc atttgtaaa      1059
83 <210> SEQ ID NO: 2
85 <211> LENGTH: 1305
87 <212> TYPE: DNA
89 <213> ORGANISM: Artificial
93 <220> FEATURE:
95 <223> OTHER INFORMATION: Expression construct
97 <400> SEQUENCE: 2
98 atgtcgtact accatcacca tcaccatcac ctgcaatcaa caagtttgta caaaaaagca      60
100 ggctctttaa aggaaccaat tcagtcgact ggatccggta ccgaattcgc cttccagtt      120

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102 ccttcaaagc agtcagcaag gtggcaagtt gcaaaagagc tttatcaaac tgaaagtaat      180
104 tatgttaata tattggcaac aattattcag ttatttcaag taccattgga agaggaagga      240
106 caacgtggtg gacctatcct tgcaccagag gagattaaga ctatttttgg tagcatccca      300
108 gatatctttg atgtacacac taagataaag gatgatcttg aagaccttat agttaattgg      360
110 gatgagagca aaagcattgg tgacattttt ctgaaatatt caaaagattt ggtaaaaacc      420
112 taccctccct ttgtaaactt ctttgaaatg agcaaggaaa caattattaa atgtgaaaaa      480
114 cagaaaccaa gatttcatgc ttttctcaag ataaaccaag caaaaccaga atgtggacgg      540
116 cagagccttg ttgaacttct tatccgacca gtacagaggt taccagtggt tgcattactt      600
118 ttaaattgatc ttaagaagca tacagctgat gaaaatccag acaaaagcac ttagaaaaa      660
120 gctattggat cactgaagga agtaatgacg catattaatg aggataagag aaaaacagaa      720
122 gctcaaaagc aaatttttga tgttgtttat gaagtagatg gatgcccgagc taatctttta      780
124 tcttctcacc gaagcttagt acagcgggtt gaaacaattt ctctaggtga gcacccctgt      840
126 gacagaggag aacaagtaac tctcttcctc ttcaatgatt gcctagagat agcaagaaaa      900
128 cggcacaagg ttattggcac ttttaggagt cctcatggcc aaaccgcacc cccagcttct      960
130 cttaagcata ttcacctaag gcctctttct cagattaaga aggtattgga cataagagag      1020
132 acagaagatt gccataatgc ttttgccttg cttgtgaggc caccaacaga gcaggcaaat      1080
134 gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg      1140
136 gtgtgtcgac atgtagctaa caccatttgt aaagcaaggg cgaattcgcg gccgcactcg      1200
138 agatatctag acccagcttt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc      1260
140 gaaaggaagc tgagttggct gctgccaccg ctgagcaata actag                      1305

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143 <210> SEQ ID NO: 3

145 <211> LENGTH: 353

147 <212> TYPE: PRT

149 <213> ORGANISM: Artificial

153 <220> FEATURE:

155 <223> OTHER INFORMATION: Expressed protein

157 <400> SEQUENCE: 3

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159 Pro Val Pro Ser Lys Gln Ser Ala Arg Trp Gln Val Ala Lys Glu Leu
160 1          5          10          15
162 Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile Leu Ala Thr Ile Gln
163          20          25          30
165 Leu Phe Gln Val Pro Leu Glu Glu Gly Gln Arg Gly Gly Pro Ile
166          35          40          45
168 Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe Gly Ser Ile Pro Asp Ile
169          50          55          60
171 Phe Asp Val His Thr Lys Ile Lys Asp Asp Leu Glu Asp Leu Ile Val
172 65          70          75          80
174 Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp Ile Phe Leu Lys Tyr Ser
175          85          90          95
177 Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe Val Asn Phe Phe Glu Met
178          100          105          110
180 Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys Gln Lys Pro Arg Phe His
181          115          120          125
183 Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro Glu Cys Gly Arg Gln Ser
184          130          135          140
186 Leu Val Glu Leu Leu Ile Arg Pro Val Gln Arg Leu Pro Ser Val Ala
187 145          150          155          160
189 Leu Leu Leu Asn Asp Leu Lys Lys His Thr Ala Asp Glu Asn Pro Asp
190          165          170          175

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192 Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser Leu Lys Glu Val Met Thr
193          180          185          190
195 His Ile Asn Glu Asp Lys Arg Lys Thr Glu Ala Gln Lys Gln Ile Phe
196          195          200          205
198 Asp Val Val Tyr Glu Val Asp Gly Cys Pro Ala Asn Leu Leu Ser Ser
199          210          215          220
201 His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His
202 225          230          235          240
204 Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys
205          245          250          255
207 Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser
208          260          265          270
210 Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu
211          275          280          285
213 Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
214          290          295          300
216 Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
217 305          310          315          320
219 Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
220          325          330          335
222 Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
223          340          345          350
225 Lys
228 <210> SEQ ID NO: 4
230 <211> LENGTH: 434
232 <212> TYPE: PRT
234 <213> ORGANISM: Artificial
238 <220> FEATURE:
240 <223> OTHER INFORMATION: Expressed protein
242 <400> SEQUENCE: 4
244 Met Ser Tyr Tyr His His His His His Leu Glu Ser Thr Ser Leu
245 1          5          10          15
247 Tyr Lys Lys Ala Gly Ser Leu Lys Glu Pro Ile Gln Ser Thr Gly Ser
248          20          25          30
250 Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp
251          35          40          45
253 Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile
254          50          55          60
256 Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Glu Gly
257 65          70          75          80
259 Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe
260          85          90          95
262 Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp
263          100          105          110
265 Leu Glu Asp Leu Ile Val Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp
266          115          120          125
268 Ile Phe Leu Lys Tyr Ser Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe
269          130          135          140
271 Val Asn Phe Phe Glu Met Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys

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272 145          150          155          160
274 Gln Lys Pro Arg Phe His Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro
275          165          170          175
277 Glu Cys Gly Arg Gln Ser Leu Val Glu Leu Leu Ile Arg Pro Val Gln
278          180          185          190
280 Arg Leu Pro Ser Val Ala Leu Leu Leu Asn Asp Leu Lys Lys His Thr
281          195          200          205
283 Ala Asp Glu Asn Pro Asp Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser
284          210          215          220
286 Leu Lys Glu Val Met Thr His Ile Asn Glu Asp Lys Arg Lys Thr Glu
287 225          230          235          240
289 Ala Gln Lys Gln Ile Phe Asp Val Val Tyr Glu Val Asp Gly Cys Pro
290          245          250          255
292 Ala Asn Leu Leu Ser Ser His Arg Ser Leu Val Gln Arg Val Glu Thr
293          260          265          270
295 Ile Ser Leu Gly Glu His Pro Cys Asp Arg Gly Glu Gln Val Thr Leu
296          275          280          285
298 Phe Leu Phe Asn Asp Cys Leu Glu Ile Ala Arg Lys Arg His Lys Val
299          290          295          300
301 Ile Gly Thr Phe Arg Ser Pro His Gly Gln Thr Arg Pro Pro Ala Ser
302 305          310          315          320
304 Leu Lys His Ile His Leu Met Pro Leu Ser Gln Ile Lys Lys Val Leu
305          325          330          335
307 Asp Ile Arg Glu Thr Glu Asp Cys His Asn Ala Phe Ala Leu Leu Val
308          340          345          350
310 Arg Pro Pro Thr Glu Gln Ala Asn Val Leu Leu Ser Phe Gln Met Thr
311          355          360          365
313 Ser Asp Glu Leu Pro Lys Glu Asn Trp Leu Lys Met Leu Cys Arg His
314          370          375          380
316 Val Ala Asn Thr Ile Cys Lys Ala Arg Ala Asn Ser Arg Pro His Ser
317 385          390          395          400
319 Arg Tyr Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Asp Ser Arg Leu
320          405          410          415
322 Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser
323          420          425          430
325 Asn Asn

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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/22/2006

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Input Set : F:\seq list.txt

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/589,045

DATE: 08/22/2006

TIME: 14:44:01

Input Set : F:\seq list.txt

Output Set: N:\CRF4\08222006\J589045.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date